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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/530,209 | 06/13/2000 | DIRK INZE | 2283/500 | 7531 |

7590 03/23/2004

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| EXAMINER |
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COLLINS, CYNTHIA E

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| ART UNIT | PAPER NUMBER |
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1638

DATE MAILED: 03/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. |
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| EXAMINER |
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C. COLLINS

| ART UNIT | PAPER NUMBER |
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0304

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Response to Amendment

The reply filed December 11, 2003 is not fully responsive to the Office communication mailed June 6, 2003 for the reason(s) set forth below and on the attached Notice To Comply With The Sequence Rules or CRF Diskette Problem Report.

Claims 1, 39 and 49, filed December 11, 2003, are directed to a DNA molecule encoding an amino acid sequence which is at least 50% identical to the amino acid sequence encoded by the DNA sequence of (a) or (b) and comprising the amino acid sequence motif of QLLAVACLSLAAXEET. Claims 1, 39 and 49 currently do not comply with 37 CFR 1.821 because the amino acid sequence motif of QLLAVACLSLAAXEET is an unbranched sequence of four or more amino acids which must be set forth in the "Sequence Listing" and assigned a separate sequence identifier, and which must be referred to by use of the sequence identifier, preceded by "SEQ ID NO:" in the text of the description or claims.

Since the above-mentioned reply appears to be *bona fide*, applicant is given a TIME PERIOD of **ONE (1) MONTH** or **THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Please direct all replies to the attached Notice To Comply With The Sequence Rules to the United States Patent and Trademark Office via one (1) of the following:

1. Electronically submitted through EFS-Bio
(<http://www.uspto.gov/ebs/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)

Art Unit: 1638

2. Mailed to:

**Commissioner for Patents
P.O. Box 22313-1450
Alexandria, VA 22313-1450**

3. Hand Carried directly to (EFFECTIVE 12/01/2003):

**U. S. Patent and Trademark Office
Box Sequence, Customer Window, Lobby, Room 1B03
Crystal Plaza Two
2011 South Clark Place
Arlington, Virginia 22202**

4. Mailed by Federal Express, United Parcel Service or other delivery service to:

**U. S. Patent and Trademark Office
Box Sequence, Room 1B03-Mailroom
Crystal Plaza Two
2011 South Clark Place
Arlington, Virginia 22202**

Remarks

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cynthia Collins whose telephone number is (571) 272-0794. The examiner can normally be reached on Monday-Friday 8:45 AM -5:15 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amy Nelson can be reached on (571) 272-0804. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 1638

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cynthia Collins

Cynthia Collins 3/19/04

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☒ 7. Other: This application fails to comply with 37 C.F.R. 1.821. In particular, sequences having four or more amino acids or ten or more bases must have a sequence identifier preceded by "SEQ ID NO:" to comply with 37 C.F.R. 1.821(a). Additionally, where the description or claims discuss a sequence, reference must be made to the sequence by use of the sequence identifier preceded by "SEQ ID NO:" in the text of the description or claims, even if the sequence is also embedded in the text of the description or claims. 37 C.F.R. 1.821(d).

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

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